

Two Species of the Genus *Euryopsis* (Araneae: Theridiidae) from Japan

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吉田 哉¹⁾: 日本産ヒラタヒメグモ属 (クモ目: ヒメグモ科) の 2 種

Abstract Two species of the spider genus *Euryopsis* belonging to the family Theridiidae are reported from Japan. A cosmopolitan species, *Euryopsis taczanowskii* KEYSERLING, 1886, is recorded for the first time from Japan, and a new species, *E. iharai* sp. nov., is described.

In this paper, I wish to report two theridiid spiders of the genus *Euryopsis* from Japan. One is new to the fauna of Japan and the other is recognized as a new species. The holotype and the allotype of the new species described in this paper are deposited in the collection of the National Science Museum (Natural History), Tokyo, and the paratypes are preserved in my private collection.

Before going further, I wish to express my sincere thanks to Mr. Yo IHARA, Hiroshima, for offering valuable specimens for the present study.

Euryopsis taczanowskii KEYSERLING, 1886

(Figs. 1–4)

Euryopsis taczanowskii KEYSERLING, 1886, p. 47, pl. 12, fig. 160.—ROEWER, 1942, p. 454.
—LEVI, 1967, p. 178, figs. 37–41.

Euryopsis nigripes BANKS, 1929, p. 86, figs. 47, 60.—ROEWER, 1942, p. 453.—LEVI, 1954, p. 24, figs. 38–52.

Euryopsis dentatus GERTSCH et MULLAIK, 1936, p. 6, figs. 10–11.

Euryopsis dentata: ROEWER, 1942, p. 454.

Male total length 2.0–2.5 mm. Female total length 2.0–3.0 mm.

The specimens of this species can be divided into two groups in their color patterns. The first group shows the basal color black. The legs are mostly black except basal parts of femora yellow. The abdomen has a black triangle marking on a silverly background. Spiders of the second group have the basal color yellowish brown and silverly white. The legs are yellowish brown with irregular black rings, and the abdomen is silverly white with a brown or black Y-shaped

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marking.

Specimens examined. 1♂, 1♀, 4 juv., Yoron Island, Kagoshima Prefecture, Japan, 2–VIII–1982, H. YOSHIDA; 1♂, 1 juv., Izena Island, Okinawa Prefecture, 5–VIII–1982, H. YOSHIDA; 1♀, Chinen, Okinawa Island, Okinawa Prefecture, 9–VII–1976, H. YOSHIDA.

Distribution. Japan: the Ryukyus (Yoron, Izena and Okinawa Islands); America (from the United States to Argentina), New Guinea and Sri Lanka.

***Euryopsis iharai* sp. nov.**

(Figs. 5–9)

Male (holotype). Total length 1.58 mm. Carapace length 0.97 mm, width 0.58 mm. Sternum length 0.34 mm, width 0.42 mm. Abdomen length 0.97 mm, width 0.74 mm. Measurements of legs as in Table 1.

Table 1. Lengths of legs of *Euryopsis iharai* sp. nov. (♂; in mm).

Leg	Femur	Patella + Tibia	Metatarsus	Tarsus	Total
I	0.50	0.47	0.32	0.29	1.58
II	0.47	0.42	0.29	0.26	1.44
III	0.39	0.37	0.26	0.29	1.31
IV	0.47	0.53	0.32	0.32	1.64

Carapace oval with eye region projecting anteriorly. Diameters of anterior median eyes larger than the others (7:5). Anterior median eyes six-sevenths their diameter apart and two-sevenths to laterals. Posterior median eyes four-fifths their diameter apart and four-fifths to laterals. Lateral eyes adjacent to each other. Ratio of median ocular area, anterior width: posterior width: length=17:12:9. Sternum triangular, widest in front. Palpus as shown in Figs. 6–7.

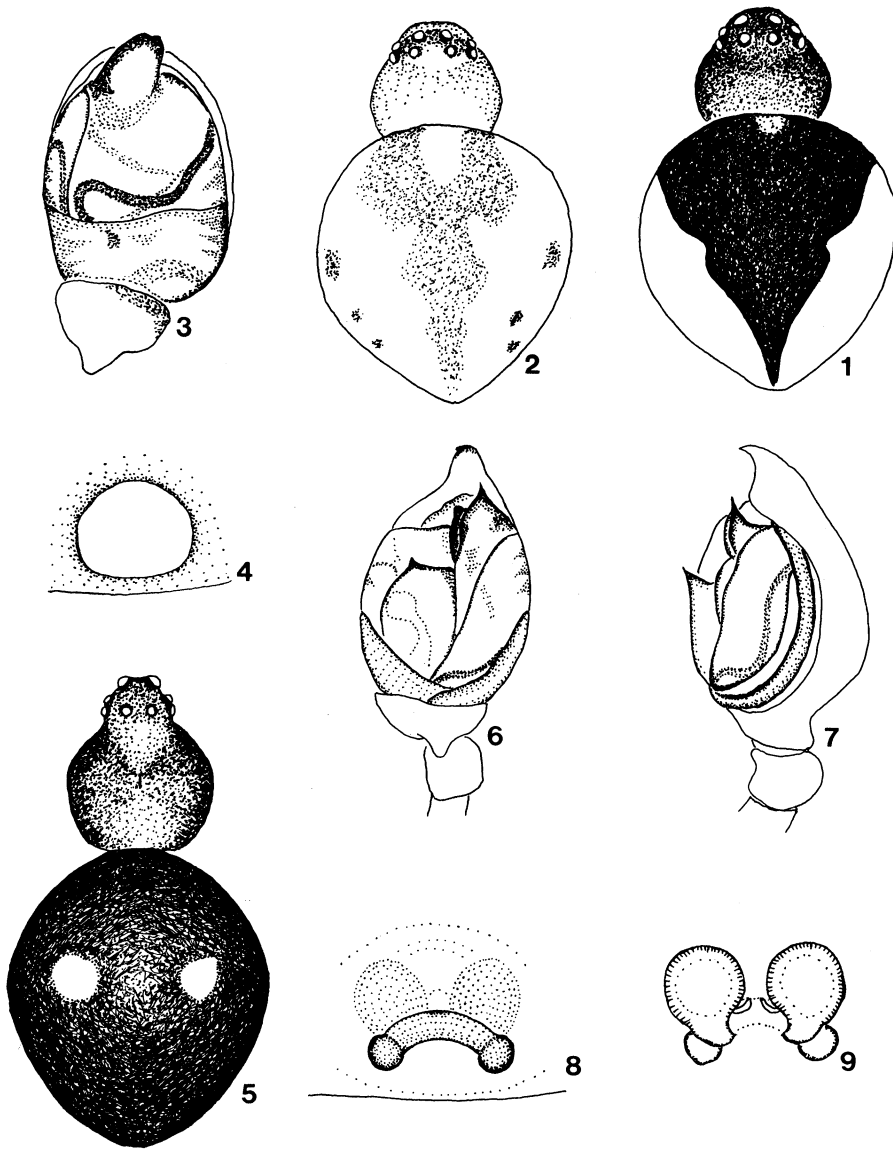
Carapace, sternum, chelicerae, maxillae, labium and palpi black. Legs mostly black, coxae and the basal parts of femora of third and fourth legs yellow, distal parts of metatarsi brown, tarsi yellowish brown. Abdomen dorsally black with a pair of yellow spots.

Female (allotype). Similar to male, but differs in the following points: Total length 1.79 mm. Carapace length 0.66 mm, width 0.55 mm. Sternum length 0.42 mm, width 0.42 mm. Abdomen length 1.08 mm, width 1.00 mm. Measurements of legs as in Table 2.

Diameters of anterior median eyes larger than the others (5:4). Anterior

Table 2. Lengths of legs of *Euryopsis iharai* sp. nov. (♀; in mm).

Leg	Femur	Patella + Tibia	Metatarsus	Tarsus	Total
I	0.42	0.47	0.32	0.26	1.47
II	0.45	0.50	0.39	0.21	1.55
III	0.42	0.45	0.32	0.24	1.43
IV	0.47	0.53	0.45	0.24	1.69



Figs. 1–9. 1–4. *Euryopsis taczanowskii* KEYSERLING, 1886.—1–2, Females, dorsal view; 3, male palpus, ventral view; 4, epigynum, ventral view. 5–9. *Euryopsis iharai* sp. nov.—5, Female, dorsal view; 6, male palpus, ventral view; 7, male palpus, lateral view; 8, epigynum, ventral view; 9, female genitalia, dorsal view.

median eyes their diameter apart and half to laterals. Posterior median eyes their diameter apart and to laterals. Ratio of median ocular area, anterior width: posterior width: length = 4:3:3. Genital organ as shown in Figs. 8–9.

Type series. Holotype: ♂, Sagata, Hatsukaichi, Hiroshima Prefecture, Japan, 30-VIII-1992, Y. IHARA, (NSMT-Ar 2949). Allotype: ♀, same data as for the holotype, (NSMT-Ar 2950). Paratypes: 1♂, Sagata, Hatsukaichi, Hiroshima Prefecture, 17-VIII-1992, Y. IHARA; 1♀, Utsugibata, Shimo-osaba, Yamaguchi, Yamaguchi Prefecture, 7-X-1991, Y. IHARA; 1♀, Yoron Island, Kagoshima Prefecture, 2-VIII-1982, H. YOSHIDA.

Distribution. Japan: Honshu (Hiroshima and Yamaguchi Prefectures) and the Ryukyus (Yoron Island).

Remarks. This species belongs to the species group of *E. flavomaculata*, but distinguished from the other species in the group by the abdomen with two yellow spots. In the structure of genital organs, it is closely related to *E. quinqueguttata* THORELL, 1875 described from Europe.

Etymology. The specific name is after Mr. Y. IHARA, Hiroshima.

摘 要

日本産のヒメグモ科ヒラタヒメグモ属のこれまで知られていなかった2種を報告した。そのうちの1種は世界の熱帯を中心として広く分布する *Euryopsis taczanowskii* KEYSERLING, 1886 シロカネヒラタヒメグモ (新称) で、日本からは新記録となる。ほかの1種は新種 *Euryopsis iharai* sp. nov. フタホシヒラタヒメグモ (新称) として記載した。

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